



Case Study Category: REDW

Case Study Title: The City of South Salt Lake: 18 Inch Pipe Burst Using FPVC

Utility Name: City of South Salt Lake City Public Works

Case Study Abstract: The City of South Salt Lake faced a dilemma when the Utah Department of Transportation (UDOT) redesigned a section of I-80 running through the city. UDOT's geotechnical engineers informed the city that the new fill might place greater pressure on the existing utilities located several feet underneath the roadway. This became a problem for an older 18 inch asbestos cement (AC) potable water main due to the weak nature of aging pipe. The City chose pipe bursting with fusible polyvinyl chloride (FPVC) to replace the main for several reasons: first, the FPVC would allow the City to keep the same pipe outer diameter, where high density polyethylene pipe would require upsizing to maintain the 18 inch inner diameter. Secondly, pipe-bursting would not take the roadway out of service, and would limit the time that the line would need to be out of service.

Case Study Link: <http://waterid.org/content/city-south-salt-lake-18-inch-pipe-burst-using-fpvc>